

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for setting a playback environment for a recording medium, the method comprising:

determining availability of additional contents associated with audio/video (A/V) data recorded on the recording medium, based on control data recorded on the recording medium or received through a communication network from an external server, said control data comprising system environment elements used for the additional contents, the system environment elements being included in the start-up file and comprising at least one of information associated with a playback right, a region code, a language of the additional contents and memory management information;

storing the additional contents in a temporary storage area as a result of the determining step; and

reproducing the A/V data and the additional contents loaded in the temporary storage area according to the control data,

wherein said additional contents includes at least one of an HTML file, an image file and a sound file.

2. (Currently Amended) The method of claim 1, further comprising:

~~loading~~ loading the start-up file into the temporary storage area, ~~the system environment elements being included in the start-up file.~~

3. (Previously Presented) The method of claim 1, wherein the control data comprises information about location where the additional contents can be accessed.

4. (Previously Presented) The method of claim 1, further comprising:
storing the control data in the temporary storage area, prior to the A/V data being reproduced.

5. (Previously Presented) The method of claim 1, further comprising:
loading the control data into the temporary storage area prior to loading the additional contents in the temporary storage area.

6. (Previously Presented) The method of claim 2, ~~wherein the system environment elements comprises at least one of information associated with a playback right, a region code, a language of the additional contents and memory management information,~~ the method further comprising:

setting the system environment according to the system environment elements prior to reproducing the A/V data.

7-10. (Cancelled)

11. (Previously Presented) The method of claim 6, wherein the system environment elements comprises a list of additional contents associated with playback right information,

wherein the additional contents are differently designated according to the playback right information.

12. (Previously Presented) The method of claim 6, wherein the system environment elements comprises a list of additional contents associated with region code information, wherein the additional contents are differently designated according to the region code information.

13-16. (Cancelled)

17. (Original) The method of claim 1, wherein at least a portion of the additional contents associated with the A/V data is preloaded in the temporary area in advance of reproducing the A/V data, so that the A/V data can be seamlessly reproduced in synchronization with respective additional contents.

18-20. (Cancelled)

21. (Previously Presented) The method of claim 1, wherein the step of storing the additional contents comprises:

setting a language of the additional contents; and

allocating a space in the temporary storage area based on the control data to store the additional contents.

22. (Previously Presented) The method of claim 21, further comprising:

processing setup information designated within the control data, the setup information comprising information related to a menu screen.

23. (Cancelled)

24. (Original) The method of claim 1, wherein the step of reproducing the A/V data comprises:

synchronizing reproduction of the additional contents and the A/V data.

25. (Previously Presented) The method of claim 1, wherein the step of storing the additional contents comprises:

preloading the additional contents in the temporary storage area in advance of reproducing the A/V data recorded on the recording medium.

26. (Cancelled)

27. (Original) The method of claim 1, wherein new additional content is preloaded in the temporary storage area as storage space in the temporary storage area becomes available when the additional content stored in the temporary storage area is reproduced.

28-30. (Cancelled)

31. (Currently Amended) A computer-readable recording medium, comprising instructions configured to cause a device to perform the following steps:

determine availability of additional contents associated with audio/video (A/V) data recorded on the recording medium, based on control data recorded on the recording medium or received through a communication network from an external server, said control data comprising system environment elements used for the additional contents, the system environment elements being included in the start-up file and comprising at least one of information associated with a playback right, a region code, a language of the additional contents and memory management information;

store the additional contents in a temporary storage area as a result of the determining step; and

reproduce the A/V data and the additional contents loaded in the temporary storage area according to the control data,

wherein said additional contents includes at least one of an HTML file, an image file and a sound file.

audio/video (A/V) data;

access information for accessing additional contents associated with the A/V data; and

start up information for setting playback environment, said playback environment being used for reproducing the additional contents.

32. (Cancelled)

33. (Currently Amended) The computer-readable medium of claim 31, wherein the control information comprises access information is an address of a content provider remotely accessible through a communications network.

34. (Currently Amended) The computer-readable medium of claim 31, wherein the start-up information comprises [[the]] access information for accessing the additional contents.

35. (Previously Presented) The computer-readable medium of claim 34, wherein the start-up information is preloaded into a memory within a player, before the A/V data is reproduced by the player.

36. (Previously Presented) The computer-readable medium of claim 31, wherein the start-up information further comprises at least one of information about a playback right of the recording medium, a region code, a language of the additional contents, website connection limitations and memory management.

37-41. (Cancelled)

42. (Previously Presented) The computer-readable medium of claim 31, wherein the start-up information is stored as a markup language file.

43-47. (Cancelled)

48. (Currently Amended) The computer-readable medium of ~~claim 47~~claim 31, wherein the start-up file comprises a plurality of playback right information for designating a plurality of additional content categories.

49. (Previously Presented) The computer-readable medium of claim 47, wherein the start-up file comprises a plurality of region code information for designating a plurality of additional content categories.

50. (Currently Amended) A medium player system, comprising:
an audio/video (A/V) player engine configured to reproduce A/V data recorded on a medium;

an enhanced player engine configured to reproduce additional contents based on a system environment elements recorded on the medium or received through a communication network from an external server, the system environment elements being used for the additional contents, the system environment elements being included in the start-up file and comprising at least one of information associated with a playback right, a region code, a language of the additional contents and memory management information; and

a controller configured to control the A/V player engine and the enhanced player engine to reproduce in synchronization with the A/V data and the associated additional contents,

wherein said additional contents includes at least one of an HTML file, an image file and a sound file.

51. (Currently Amended) The player system of claim 50, further comprising:
a temporary storage configured to ~~store~~ store the start-up file, ~~the environment elements being included in a start-up file.~~

52. (Previously Presented) The player system of claim 50, wherein the environment elements comprise information about a location where the additional contents can be accessed, and

wherein the controller is configured to access the additional contents based on the information about location.

53. (Previously Presented) The player system of claim 50, wherein the controller is configured to store the environment elements in a temporary storage, prior to the A/V data being reproduced.

54. (Previously Presented) The player system of claim 51, wherein the start-up file comprises information about the additional contents to be loaded into the temporary storage, before the A/V data is reproduced, and

wherein the controller is configured to identify the information and to load the additional contents into the temporary storage according the identified information.

55. (Previously Presented) The player system of claim 51, wherein the start-up file comprises at least one of information associated with playback right information, region code information, language of the additional contents and memory management information, and

wherein the controller is configured to set the system environment elements according to the information, prior to reproducing the A/V data.

56. (Previously Presented) The player system of claim 51, wherein the temporary storage is in a semiconductor storage device.

57. (Previously Presented) The player system of claim 51, wherein the temporary storage has a predetermined capacity.

58. (Previously Presented) The player system of claim 55, wherein the start-up file comprises information associated with the memory management information, and

wherein the controller is configured to control the temporary storage according to the information.

59. (Previously Presented) The player system of claim 51, further comprising:
a network interface configured to communicate with an external entity in order to receive information from the external entity and send information to the external entity.

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60-70. (Cancelled)